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CLAIMS WE CLAIM:

1. ~~(Currently Amended) Control unit for an electric motor, particularly for an electric motor of an actuator, which is equipped with a control board and a capacitive energy storage device which can be charged by the supply network in order to supply power to the electric motor in the event of a power failure, characterized in that the control unit (10) is equipped with a sensor (12) for determining the ambient temperature or to which a corresponding sensor is assigned such that the respectively measured temperature can be converted by means of a converter into control signals, and in that the charge voltage of the capacitive energy storage device C can be controlled as a function of the temperature by means of a voltage converter (13).~~ A control unit for an electric motor of an actuator, the control unit comprising:

a controller;

a capacitive energy storage device chargeable by a supply network to supply power to the electric motor in the event of a power failure, the capacitive energy storage device having a charge voltage;

a temperature sensor assigned to the control unit to measure an ambient temperature; and

a charge converter configured to convert the measured ambient temperature into a control signal to control the charge voltage of the capacitive energy storage device as a function of the measured ambient temperature.

2. ~~(Currently Amended) Control~~ The control unit according to Claim 1,
~~characterized in that the~~ wherein an operational voltage for the capacitive energy storage device can be ~~is~~ controlled by means of the ~~a~~ charge converter (13) as a function of the measured ambient temperature to a constant or an ~~an~~ approximately constant value.

3. (Currently Amended) ~~Control~~ The control unit according to Claim 1 or 2, characterized in that wherein the capacitive energy storage device (13) ~~can be~~ is continuously acted upon by means of its respective the operational voltage.

4. (Currently Amended) ~~Control~~ The control unit according to one or more of the preceding Claims 1 to 3, characterized in that Claim 1, wherein the temperature sensor or the temperature probe is integrated in the ~~control board~~ controller of the control unit (10).

5. (Currently Amended) ~~Control~~ The control unit according to one or more of the preceding Claims 1 to 4, characterized in that Claim 1, wherein the capacitive energy storage device (13) ~~can be~~ is acted upon by electric energy from the ~~an~~ an electric motor circuit.